

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/714100	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 15:55
S2	2	("7180626").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/06 12:53
S5	5	((("6430711") or ("6681349") or ("20030212929") or ("6604212") or ("20020138612"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 12:42
S6	49	("4251858"   "4947314"   "5077582"   "5084875"   "5214772"   "5220674"   "5305199"   "5333286"   "5537626"   "5580177"   "5604578"   "5651006"   "5727135"   "5859778"   "5982994"   "6038486"   "6088816"   "6385497"   "6510454").PN. OR ("2002/0138612"   "2003/0212929"   "6430711"   "6604212"   "6681349").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 12:18
S8	1	S5 and unique\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 14:02
S9	5	S5 and timing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:21
S10	8	((("4251858") or ("5077582") or ("5084875") or ("5214772") or ("5220674") or ("5305199") or ("5333286") or ("5580177"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 15:56
S11	6	((("5604578") or ("5651006") or ("5727135") or ("5859778") or ("5982994") or ("6088816"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 15:56

## EAST Search History

S12	83	("4459663"   "4496237"   "4636950"   "4656591"   "4737910"   "4783740"   "5038319"   "5057866"   "5077582").PN. OR ("5305199"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 16:03
S15	120	("5075875"   "5084875"   "5164842"   "5214772"   "5220566"   "5220674"   "5226112"   "5247623"   "5271065"   "5303336"   "5323393"   "5333286"   "5353388"   "5361265"   "5371837"   "5438528").PN. OR ("5727135").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 16:17
S16	4	(S6 not (S10 S11)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:18
S17	4	(S6 not (S10 S11 S5)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:27
S19	5	S5 and period\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:26
S20	5	((("6408407") or ("6601195") or ("6810496") or ("20040078694") or ("20060150031")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 16:26

## EAST Search History

S21	74	("3575589"   "3786430"   "3818199"   "4385384"   "4497057"   "4598356"   "4617661"   "5007056"   "5023873"   "5081598"   "5204955"   "5291593"   "5295256"   "5299207"   "5313630"   "5337262"   "5341478"   "5390325"   "5414812"   "5421004"   "5438673"   "5440688"   "5453933"   "5479611"   "5494136"   "5499365"   "5504892"   "5564048"   "5602990"   "5606661"   "5745675"   "5748880"   "5748883"   "5768501"   "5812529"   "5870540"   "5881237"   "6000045"   "6049825"   "6052380"   "6061725"   "6105151"   "6128017"   "6148419"   "6173422"   "6222822"   "6269330"   "6269460"   "6308282"   "6480531"   "6484206"   "6601185"   "6631409"   "6694455").PN. OR ("2004/0078694"   "2006/0150031"   "6408407"   "6601195"   "6810496").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 16:26
S22	0	(S20) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:27
S23	52	(S21 not (S6 S10 S11 S5)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 17:07
S26	8	"714".clas. and (passmore passmoore).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:28
S27	4	((("4153945") or ("5774645") or ("6199018") or ("6324658")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 16:55

## EAST Search History

S28	16	((("4339801") or ("4497057") or ("4590550") or ("4627055") or ("4839811") or ("4926352") or ("4943919") or ("5287505") or ("5671141") or ("5680541") or ("5964811") or ("6112150") or ("6115653") or ("6181994") or ("6195763") or ("6275753"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 16:56
S29	8	((("5107500") or ("5179695") or ("5287505") or ("5455933") or ("6029258") or ("6065136") or ("6516427") or ("6539499"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 16:57
S30	13	((("5287505") or ("5666481") or ("5774645") or ("5812397") or ("6006016") or ("6029258") or ("6199018") or ("6516427") or ("6553507") or ("6629267") or ("6681344") or ("6687847") or ("20020138786"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 16:59
S31	7	((("20030163275") or ("5027154") or ("5414494") or ("5790779") or ("6310692") or ("6317848") or ("6622266"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 16:59
S32	2	((("6944659") or ("6961878"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 17:00
S33	12	((("5365310") or ("5594840") or ("5596712") or ("5790780") or ("6185606") or ("6230285") or ("6477531") or ("6516427") or ("6539499") or ("6567175") or ("6665425") or ("7020598"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/11 17:04
S35	10	"1069422"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 17:05
S36	90	((S21 S27 S28 S29 S30 S31 S32 S33) not (S6 S10 S11 S5)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 17:52
S37	49	("4583834"   "5057866"   "5077582"   "5214772"   "5216461"   "5220380"   "5303005"   "5305055"   "5325156").PN. OR ("5414494").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 17:35

## EAST Search History

S38	15	("5220674"   "5699493"   "5720015"   "5727135").PN. OR ("6310692").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 17:51
S40	113	("4470092"   "4525763"   "4659976"   "4761703"   "4839830"   "5019760"   "5189350"   "5323325"   "5485491"   "5530343"   "5576632"   "5629870"   "5631839"   "5680025"   "5710723"   "5726911"   "5744723").PN. OR ("6199018").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 18:06
S41	171	((S12 S15 S37 S38 S40) not (S21 S27 S28 S29 S30 S31 S32 S33 S6 S10 S11 S5)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 12:04
S42	99	("3916177"   "4186299"   "4464044"   "4478509"   "4536079"   "4583834"   "4589080"   "4639918"   "4745602"   "4970557").PN. OR ("5057866").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:16
S43	50	("4058672"   "4167322"   "4322813"   "4390953"   "4497037"   "4583834"   "4739366"   "4766548"   "4797706"   "4903016"   "4979132"   "4994926"   "4996703"   "5077582").PN. OR ("5220380").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:21
S44	13	("5077582"   "5224157"   "5257069"   "5305055"   "5359391"   "5369471"   "5404199"   "5414494").PN. OR ("5548376").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:27
S45	42	("5165014"   "5220674"   "5287194"   "5303336"   "5353388"   "5450571"   "5467434"   "5475801"   "5513126"   "5537626"   "5577172"   "5580177"   "5594840"   "5596723"   "5625757"   "5638497"   "5699493"   "5699494"   "5727135"   "5754747"   "5799147"   "5940186").PN. OR ("6469796").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:36

## EAST Search History

S46	25	("5165014"   "5220674"   "5226112"   "5287194"   "5303336"   "5353388"   "5432899"   "5450571"   "5467434"   "5475801"   "5513126"   "5537626"   "5563999"   "5577172"   "5580177"   "5590245"   "5594840"   "5596723"   "5625757"   "5638497"   "5699493"   "5699494"   "5727135"   "5799147"   "5940186").PN. OR ("7072067"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:36
S47	43	("3997873"   "4086434"   "4167322"   "4322813"   "4361851"   "4390953"   "4497037"   "4549044"   "4583834"   "4739366"   "4766548"   "4797706"   "4979132"   "4994926"   "4996703"   "5057866"   "5077582"   "5081680"   "5084875").PN. OR ("5216461"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:39
S48	14	("5371837"   "5580177"   "5689755"   "5727135"   "5978559"   "6058277"   "6075615"   "6088120"   "6130757"   "6344859"   "6348971"   "6552813"   "6888641"   "6940615").PN. OR ("7139085").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:52
S49	59	("4491929"   "4583834"   "4804998"   "4999672"   "5012280"   "5029833"   "5053815"   "5084875"   "5131079"   "5164769"   "5200958"   "5214772"   "5257069"   "5280322"   "5325156"   "5333286"   "5361265"   "5365310"   "5369471"   "5384622"   "5392095"   "5394458"   "5414494"   "5424808"   "5434650"   "5502543"   "5543892"   "5600403").PN. OR ("5715496"   "5790916"   "5835816").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 11:54

## EAST Search History

S50	65	("3400378"   "3623013"   "3744043"   "3916177"   "4162488"   "4311986"   "4412292"   "4463418"   "4497037"   "4545013"   "4583834"   "4633412"   "4652698"   "4712213"   "4947397"   "4962368"   "4964065"   "5038319"   "5057866"   "5077582"   "5084875"   "5214772").PN. OR ("5361265").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:02
S51	5	((("6430711") or ("6681349") or ("20030212929") or ("6604212") or ("20020138612")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S52	49	("4251858"   "4947314"   "5077582"   "5084875"   "5214772"   "5220674"   "5305199"   "5333286"   "5537626"   "5580177"   "5604578"   "5651006"   "5727135"   "5859778"   "5982994"   "6038486"   "6088816"   "6385497"   "6510454").PN. OR ("2002/0138612"   "2003/0212929"   "6430711"   "6604212"   "6681349").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:04
S53	8	((("4251858") or ("5077582") or ("5084875") or ("5214772") or ("5220674") or ("5305199") or ("5333286") or ("5580177")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S54	6	((("5604578") or ("5651006") or ("5727135") or ("5859778") or ("5982994") or ("6088816")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S55	83	("4459663"   "4496237"   "4636950"   "4656591"   "4737910"   "4783740"   "5038319"   "5057866"   "5077582").PN. OR ("5305199"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:04
S56	120	("5075875"   "5084875"   "5164842"   "5214772"   "5220566"   "5220674"   "5226112"   "5247623"   "5271065"   "5303336"   "5323393"   "5333286"   "5353388"   "5361265"   "5371837"   "5438528").PN. OR ("5727135").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:04

## EAST Search History

S57	74	("3575589"   "3786430"   "3818199"   "4385384"   "4497057"   "4598356"   "4617661"   "5007056"   "5023873"   "5081598"   "5204955"   "5291593"   "5295256"   "5299207"   "5313630"   "5337262"   "5341478"   "5390325"   "5414812"   "5421004"   "5438673"   "5440688"   "5453933"   "5479611"   "5494136"   "5499365"   "5504892"   "5564048"   "5602990"   "5606661"   "5745675"   "5748880"   "5748883"   "5768501"   "5812529"   "5870540"   "5881237"   "6000045"   "6049825"   "6052380"   "6061725"   "6105151"   "6128017"   "6148419"   "6173422"   "6222822"   "6269330"   "6269460"   "6308282"   "6480531"   "6484206"   "6601185"   "6631409"   "6694455").PN. OR ("2004/0078694"   "2006/0150031"   "6408407"   "6601195"   "6810496").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:04
S58	4	((("4153945") or ("5774645") or ("6199018") or ("6324658")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S59	16	((("4339801") or ("4497057") or ("4590550") or ("4627055") or ("4839811") or ("4926352") or ("4943919") or ("5287505") or ("5671141") or ("5680541") or ("5964811") or ("6112150") or ("6115653") or ("6181994") or ("6195763") or ("6275753")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S60	8	((("5107500") or ("5179695") or ("5287505") or ("5455933") or ("6029258") or ("6065136") or ("6516427") or ("6539499")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S61	13	((("5287505") or ("5666481") or ("5774645") or ("5812397") or ("6006016") or ("6029258") or ("6199018") or ("6516427") or ("6553507") or ("6629267") or ("6681344") or ("6687847") or ("20020138786")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04



## EAST Search History

S62	7	((("20030163275") or ("5027154") or ("5414494") or ("5790779") or ("6310692") or ("6317848") or ("6622266")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S63	2	((("6944659") or ("6961878")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S64	12	((("5365310") or ("5594840") or ("5596712") or ("5790780") or ("6185606") or ("6230285") or ("6477531") or ("6516427") or ("6539499") or ("6567175") or ("6665425") or ("7020598")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/12 12:04
S65	49	("4583834"   "5057866"   "5077582"   "5214772"   "5216461"   "5220380"   "5303005"   "5305055"   "5325156").PN. OR ("5414494").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:04
S66	15	("5220674"   "5699493"   "5720015"   "5727135").PN. OR ("6310692").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:04
S67	113	("4470092"   "4525763"   "4659976"   "4761703"   "4839830"   "5019760"   "5189350"   "5323325"   "5485491"   "5530343"   "5576632"   "5629870"   "5631839"   "5680025"   "5710723"   "5726911"   "5744723").PN. OR ("6199018").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 12:04
S68	190	((S42 S43 S44 S45 S46 S47 S48 S49 S50) not (S55 S56 S65 S66 S67 S57 S58 S59 S60 S61 S62 S63 S64 S52 S53 S54 S51)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 16:57
S69	53	("4167322"   "4497037"   "4583834"   "4965676"   "4975926"   "4999672"   "5005183"   "5016059"   "5046066"   "5057866"   "5077582"   "5084875"   "5164767"   "5214772"   "5220380"   "5231646"   "5282127"   "5293196"   "5333286").PN. OR ("5398257").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 16:22

## EAST Search History

S70	15	("4583834"   "5220380"   "5270775"   "5282127"   "5333286"   "5359391"   "5369471").PN. OR ("5583615"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 16:25
S71	19	("5220380"   "5291244"   "5325156"   "5404199"   "5488454"   "5512979"   "5636008"   "5649120").PN. OR ("5784663").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 16:28
S72	34	("3390953"   "3997873"   "4167322"   "4322813"   "4484306"   "4497037"   "4549044"   "4583834"   "4739366"   "4952985"   "4979132"   "4994926"   "4996703"   "5034770"   "5057866"   "5060263"   "5077581"   "5077582"   "5081680"   "5084875"   "5146344"   "5220674"   "5226080"   "5708908").PN. OR ("5890029").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 16:31
S73	49	("3893175"   "3997873"   "4162396"   "4167322"   "4241237"   "4322813"   "4390953"   "4398819"   "4495596"   "4496237"   "4497037"   "4549044"   "4583834"   "4589080"   "4739366"   "4766548"   "4783748"   "4797706"   "4835671"   "4875078"   "4893248"   "4996703"   "4999672"   "5021826"   "5023817"   "5057866"   "5077581"   "5077582"   "5081680"   "5084875"   "5184179"   "5214772"   "5216461"   "5220380"   "5224157"   "5282127"   "5293196"   "5300980"   "5384622").PN. OR ("5543892"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 16:32

## EAST Search History

S74	79	("3893175"   "3899774"   "3997873"   "4086434"   "4104486"   "4162396"   "4167322"   "4241237"   "4322813"   "4339657"   "4361851"   "4390953"   "4495596"   "4496237"   "4497037"   "4549044"   "4583834"   "4589080"   "4739366"   "4766548"   "4797706"   "4807046"   "4881104"   "4893248"   "4966703"   "4979132"   "4994926"   "4996703"   "5003583"   "5021826"   "5023817"   "5057866"   "5061916"   "5077582"   "5081680"   "5084875"   "5138618"   "5142324"   "5146269"   "5157716"   "5184179"   "5193111"   "5214772"   "5216461"   "5220380"   "5224157"   "5282127"   "5300980").PN. OR ("5257069"   "5384622"   "5404199"   "5491535").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 16:32
S75	23	("5596390"   "5694201"   "5715496"   "5790916"   "5835816"   "5887216"   "5913090"   "5995771").PN. OR ("6141507").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 16:48
S76	78	((S69 S70 S71 S72 S73 S74 S75) not (S42 S43 S44 S45 S46 S47 S48 S49 S50 S55 S56 S65 S66 S67 S57 S58 S59 S60 S61 S62 S63 S64 S52 S53 S54 S51)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:10
S77	9	("5491535"   "5543892"   "5673190"   "5890029"   "6088358"   "6105867"   "6111591"   "6314406"   "6347339").PN. OR ("6560322"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 17:10

## EAST Search History

S78	6	(S77 not (S69 S70 S71 S72 S73 S74 S75 S42 S43 S44 S45 S46 S47 S48 S49 S50 S55 S56 S65 S66 S67 S57 S58 S59 S60 S61 S62 S63 S64 S52 S53 S54 S51)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:15
S79	4280	(399/8).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:13
S80	401	(714/57).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:12
S81	501	(714/46).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:12
S83	363	(399/8).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/12 17:13
S87	1003	(S79 S80 S81) and (central\$7 remote\$2 internet wan.u/c.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:25
S88	457	(S87 not (S77 S69 S70 S71 S72 S73 S74 S75 S42 S43 S44 S45 S46 S47 S48 S49 S50 S55 S56 S65 S66 S67 S57 S58 S59 S60 S61 S62 S63 S64 S52 S53 S54 S51)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:25
S89	1115	(S79 S80 S81) and (central\$7 remote\$2 internet wan.u/c. network\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:25
S90	1298	(S79 S80 S81) and (central\$7 remote\$2 internet wan.u/c. network\$3 communicat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 14:28

## EAST Search History

S91	681	(S90 not (S77 S69 S70 S71 S72 S73 S74 S75 S42 S43 S44 S45 S46 S47 S48 S49 S50 S55 S56 S65 S66 S67 S57 S58 S59 S60 S61 S62 S63 S64 S52 S53 S54 S51)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 16:21
S92	482	(S90 not (S77 S69 S70 S71 S72 S73 S74 S75 S42 S43 S44 S45 S46 S47 S48 S49 S50 S55 S56 S65 S66 S67 S57 S58 S59 S60 S61 S62 S63 S64 S52 S53 S54 S51)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106"))	US-PGPUB; USPAT	OR	OFF	2007/06/12 17:27
S93	199	(S90 not (S77 S69 S70 S71 S72 S73 S74 S75 S42 S43 S44 S45 S46 S47 S48 S49 S50 S55 S56 S65 S66 S67 S57 S58 S59 S60 S61 S62 S63 S64 S52 S53 S54 S51)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106"))	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/12 17:27
S94	4280	(399/8).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 14:28
S95	401	(714/57).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 14:28
S96	501	(714/46).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 14:28
S97	1298	(S94 S95 S96) and (central\$7 remote\$2 internet wan.u/c. network\$3 communicat\$4 intranet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 14:28
S98	4	("5191648").PN. OR ("5357611").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 15:50

## EAST Search History

S99	99	("3916177"   "4186299"   "4464044"   "4478509"   "4536079"   "4583834"   "4589080"   "4639918"   "4745602"   "4970557").PN. OR ("5057866").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 0	50	("4058672"   "4167322"   "4322813"   "4390953"   "4497037"   "4583834"   "4739366"   "4766548"   "4797706"   "4903016"   "4979132"   "4994926"   "4996703"   "5077582").PN. OR ("5220380").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 1	13	("5077582"   "5224157"   "5257069"   "5305055"   "5359391"   "5369471"   "5404199"   "5414494").PN. OR ("5548376").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 2	42	("5165014"   "5220674"   "5287194"   "5303336"   "5353388"   "5450571"   "5467434"   "5475801"   "5513126"   "5537626"   "5577172"   "5580177"   "5594840"   "5596723"   "5625757"   "5638497"   "5699493"   "5699494"   "5727135"   "5754747"   "5799147"   "5940186").PN. OR ("6469796").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 3	25	("5165014"   "5220674"   "5226112"   "5287194"   "5303336"   "5353388"   "5432899"   "5450571"   "5467434"   "5475801"   "5513126"   "5537626"   "5563999"   "5577172"   "5580177"   "5590245"   "5594840"   "5596723"   "5625757"   "5638497"   "5699493"   "5699494"   "5727135"   "5799147"   "5940186").PN. OR ("7072067"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21

## EAST Search History

S10 4	43	("3997873"   "4086434"   "4167322"   "4322813"   "4361851"   "4390953"   "4497037"   "4549044"   "4583834"   "4739366"   "4766548"   "4797706"   "4979132"   "4994926"   "4996703"   "5057866"   "5077582"   "5081680"   "5084875").PN. OR ("5216461"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 5	14	("5371837"   "5580177"   "5689755"   "5727135"   "5978559"   "6058277"   "6075615"   "6088120"   "6130757"   "6344859"   "6348971"   "6552813"   "6888641"   "6940615").PN. OR ("7139085").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 6	59	("4491929"   "4583834"   "4804998"   "4999672"   "5012280"   "5029833"   "5053815"   "5084875"   "5131079"   "5164769"   "5200958"   "5214772"   "5257069"   "5280322"   "5325156"   "5333286"   "5361265"   "5365310"   "5369471"   "5384622"   "5392095"   "5394458"   "5414494"   "5424808"   "5434650"   "5502543"   "5543892"   "5600403").PN. OR ("5715496"   "5790916"   "5835816").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 7	65	("3400378"   "3623013"   "3744043"   "3916177"   "4162488"   "4311986"   "4412292"   "4463418"   "4497037"   "4545013"   "4583834"   "4633412"   "4652698"   "4712213"   "4947397"   "4962368"   "4964065"   "5038319"   "5057866"   "5077582"   "5084875"   "5214772").PN. OR ("5361265").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S10 8	5	((("6430711") or ("6681349") or ("20030212929") or ("6604212") or ("20020138612"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21

## EAST Search History

S10 9	49	("4251858"   "4947314"   "5077582"   "5084875"   "5214772"   "5220674"   "5305199"   "5333286"   "5537626"   "5580177"   "5604578"   "5651006"   "5727135"   "5859778"   "5982994"   "6038486"   "6088816"   "6385497"   "6510454").PN. OR ("2002/0138612"   "2003/0212929"   "6430711"   "6604212"   "6681349").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S11 0	8	((("4251858") or ("5077582") or ("5084875") or ("5214772") or ("5220674") or ("5305199") or ("5333286") or ("5580177"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S11 1	6	((("5604578") or ("5651006") or ("5727135") or ("5859778") or ("5982994") or ("6088816"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S11 2	83	("4459663"   "4496237"   "4636950"   "4656591"   "4737910"   "4783740"   "5038319"   "5057866"   "5077582").PN. OR ("5305199"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S11 3	120	("5075875"   "5084875"   "5164842"   "5214772"   "5220566"   "5220674"   "5226112"   "5247623"   "5271065"   "5303336"   "5323393"   "5333286"   "5353388"   "5361265"   "5371837"   "5438528").PN. OR ("5727135").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21



## EAST Search History

S11 4	74	("3575589"   "3786430"   "3818199"   "4385384"   "4497057"   "4598356"   "4617661"   "5007056"   "5023873"   "5081598"   "5204955"   "5291593"   "5295256"   "5299207"   "5313630"   "5337262"   "5341478"   "5390325"   "5414812"   "5421004"   "5438673"   "5440688"   "5453933"   "5479611"   "5494136"   "5499365"   "5504892"   "5564048"   "5602990"   "5606661"   "5745675"   "5748880"   "5748883"   "5768501"   "5812529"   "5870540"   "5881237"   "6000045"   "6049825"   "6052380"   "6061725"   "6105151"   "6128017"   "6148419"   "6173422"   "6222822"   "6269330"   "6269460"   "6308282"   "6480531"   "6484206"   "6601185"   "6631409"   "6694455").PN. OR ("2004/0078694"   "2006/0150031"   "6408407"   "6601195"   "6810496").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S11 5	4	((("4153945") or ("5774645") or ("6199018") or ("6324658"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S11 6	16	((("4339801") or ("4497057") or ("4590550") or ("4627055") or ("4839811") or ("4926352") or ("4943919") or ("5287505") or ("5671141") or ("5680541") or ("5964811") or ("6112150") or ("6115653") or ("6181994") or ("6195763") or ("6275753"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S11 7	8	((("5107500") or ("5179695") or ("5287505") or ("5455933") or ("6029258") or ("6065136") or ("6516427") or ("6539499"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S11 8	13	((("5287505") or ("5666481") or ("5774645") or ("5812397") or ("6006016") or ("6029258") or ("6199018") or ("6516427") or ("6553507") or ("6629267") or ("6681344") or ("6687847") or ("20020138786"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21

## EAST Search History

S11 9	7	((("20030163275") or ("5027154") or ("5414494") or ("5790779") or ("6310692") or ("6317848") or ("6622266"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S12 0	2	((("6944659") or ("6961878"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S12 1	12	((("5365310") or ("5594840") or ("5596712") or ("5790780") or ("6185606") or ("6230285") or ("6477531") or ("6516427") or ("6539499") or ("6567175") or ("6665425") or ("7020598"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/13 16:21
S12 2	49	("4583834"   "5057866"   "5077582"   "5214772"   "5216461"   "5220380"   "5303005"   "5305055"   "5325156").PN. OR ("5414494").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S12 3	15	("5220674"   "5699493"   "5720015"   "5727135").PN. OR ("6310692").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S12 4	113	("4470092"   "4525763"   "4659976"   "4761703"   "4839830"   "5019760"   "5189350"   "5323325"   "5485491"   "5530343"   "5576632"   "5629870"   "5631839"   "5680025"   "5710723"   "5726911"   "5744723").PN. OR ("6199018").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S12 5	53	("4167322"   "4497037"   "4583834"   "4965676"   "4975926"   "4999672"   "5005183"   "5016059"   "5046066"   "5057866"   "5077582"   "5084875"   "5164767"   "5214772"   "5220380"   "5231646"   "5282127"   "5293196"   "5333286").PN. OR ("5398257").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S12 6	15	("4583834"   "5220380"   "5270775"   "5282127"   "5333286"   "5359391"   "5369471").PN. OR ("5583615").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21

## EAST Search History

S12 7	19	("5220380"   "5291244"   "5325156"   "5404199"   "5488454"   "5512979"   "5636008"   "5649120").PN. OR ("5784663").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S12 8	34	("3390953"   "3997873"   "4167322"   "4322813"   "4484306"   "4497037"   "4549044"   "4583834"   "4739366"   "4952985"   "4979132"   "4994926"   "4996703"   "5034770"   "5057866"   "5060263"   "5077581"   "5077582"   "5081680"   "5084875"   "5146344"   "5220674"   "5226080"   "5708908").PN. OR ("5890029").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S12 9	49	("3893175"   "3997873"   "4162396"   "4167322"   "4241237"   "4322813"   "4390953"   "4398819"   "4495596"   "4496237"   "4497037"   "4549044"   "4583834"   "4589080"   "4739366"   "4766548"   "4783748"   "4797706"   "4835671"   "4875078"   "4893248"   "4996703"   "4999672"   "5021826"   "5023817"   "5057866"   "5077581"   "5077582"   "5081680"   "5084875"   "5184179"   "5214772"   "5216461"   "5220380"   "5224157"   "5282127"   "5293196"   "5300980"   "5384622").PN. OR ("5543892"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21

## EAST Search History

S13 0	79	("3893175"   "3899774"   "3997873"   "4086434"   "4104486"   "4162396"   "4167322"   "4241237"   "4322813"   "4339657"   "4361851"   "4390953"   "4495596"   "4496237"   "4497037"   "4549044"   "4583834"   "4589080"   "4739366"   "4766548"   "4797706"   "4807046"   "4881104"   "4893248"   "4966703"   "4979132"   "4994926"   "4996703"   "5003583"   "5021826"   "5023817"   "5057866"   "5061916"   "5077582"   "5081680"   "5084875"   "5138618"   "5142324"   "5146269"   "5157716"   "5184179"   "5193111"   "5214772"   "5216461"   "5220380"   "5224157"   "5282127"   "5300980").PN. OR ("5257069"   "5384622"   "5404199"   "5491535").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S13 1	23	("5596390"   "5694201"   "5715496"   "5790916"   "5835816"   "5887216"   "5913090"   "5995771").PN. OR ("6141507").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S13 2	9	("5491535"   "5543892"   "5673190"   "5890029"   "6088358"   "6105867"   "6111591"   "6314406"   "6347339").PN. OR ("6560322"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/13 16:21
S13 3	1239	((S97 S132 S125 S126 S127 S128 S129 S130 S131 S99 S100 S101 S102 S103 S104 S105 S106 S107 S112 S113 S122 S123 S124 S114 S115 S116 S117 S118 S119 S120 S121 S109 S110 S111 S108)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 16:22

## EAST Search History

S13 4	1	(S98 not (S97 S132 S125 S126 S127 S128 S129 S130 S131 S99 S100 S101 S102 S103 S104 S105 S106 S107 S112 S113 S122 S123 S124 S114 S115 S116 S117 S118 S119 S120 S121 S109 S110 S111 S108)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 16:23
S13 5	0	((S98 S97 S132 S125 S126 S127 S128 S129 S130 S131 S99 S100 S101 S102 S103 S104 S105 S106 S107 S112 S113 S122 S123 S124 S114 S115 S116 S117 S118 S119 S120 S121 S109 S110 S111 S108)) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106") and @pd>"20070606"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 16:40
S13 7	0	(agent\$1 intermedia\$4) with ((register\$3) near3 (monitored near device\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 16:39
S13 8	28	(agent\$1 intermedia\$4) with ((register\$3) near3 (monitored observed))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 16:40
S13 9	14	(S138) and (@ad<="19990106" @pd<="19990106" @rlad<="19990106" @prad<="19990106")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 16:41